

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Tsien et al. Art Unit: Unassigned  
Parent Serial No.: 09/118,728 Examiner: Unassigned  
Parent Filing Date: July 17, 1998  
Serial No.: Unassigned  
Filed: August 18, 2003  
Title: DETECTOR AND SCREENING DEVICE FOR ION CHANNELS

**Mail Stop PATENT APPLICATION**

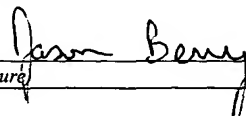
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 § CFR 1.97, Applicants bring to the Examiner's attention the related parent patent application, U.S. Serial No. 09/118,728, filed July 17, 1998, which is relied upon for an earlier filing date under 35 USC § 121. For the convenience of the Examiner, copies of the PTO Forms 892 and 1449 are enclosed.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

<b>CERTIFICATION UNDER 37 CFR §1.10</b> "EXPRESS MAIL" Mailing Label Number: <b>EV 318 738 086 US</b> Date of Deposit: <b>August 18, 2003</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
JASON BERRY (Name of Person Mailing Paper)	
 (Signature)	August 18, 2003 (Date)

In re Application of:  
Tsien et al.  
Application No.: Unassigned  
Filed: August 18, 2003  
Page 2

PATENT  
Attorney Docket No.: AURO1140-2

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed prior to the receipt of a first office action on the merits of the above-captioned application. However, if any fee is required, authorization is hereby given to charge any fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: August 18, 2003



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<b>FORM 1449</b> U.S. Department of Commerce Patent and Trademark Office	Docket No. AURO1140	Serial No.: 09/118,728
	Applicant(s): Tsien et al.	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Filing Date: July 17, 1998	Group Art Unit: 2877

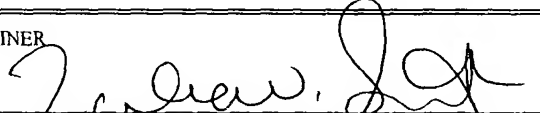
### U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AS	3,905,852	09/16/1975	Mukai and Ikeda			
	5,086,220	02/04/1992	Berthold and Jeffers			
	5,239,360	08/24/1993	Moring and Mead			
	5,689,354	11/18/1997	Orino			
AS	5,745,620	04/28/1998	Bergmann			

### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)
AS	DE 3036638	4/29/1982	Germany			No
33	EP 023679 A	8/5/1987	EP			
33	FR 2661986A	11/15/1991	France			No
33	EP 0521636A1	1/7/1993	EP			

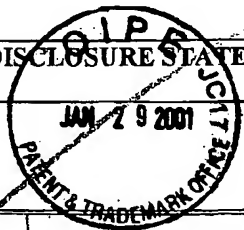
### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)


EXAMINER 	DATE CONSIDERED 10/14/02
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.</b> AURO1140 (08366/006001)	<b>Serial N.:</b> 09/118,728
	<b>Applicant(s):</b> Tsien et al.	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Filing Date:</b> July 17, 1998	<b>Group Art Unit:</b> 2877



## U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
28	P42	5,627,638	05/06/97	Vokhmin			

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EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)


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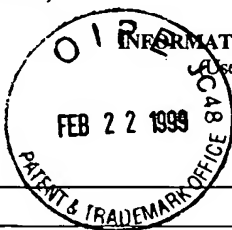
<b>EXAMINER</b> Zalan	<b>DATE CONSIDERED</b> 3/18/03
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

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103651-1571861

INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)APPLICANT:  
Tsien et al.FILING DATE:  
7/17/98GROUP:  
2877

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
28	P1	3,885,879	5/27/75	Louder et al.			
	P2	4,204,743	5/27/80	Etaix			
	P3	4,265,511	5/5/81	Nicia et al.			
	P4	4,630,923	12/23/86	Tans et al.			
	P5	4,714,345	12/22/87	Schrader			
	P6	4,737,464	4/12/88	McConnell et al.			
	P7	4,747,687	5/31/88	Hoppe et al.			
	P8	4,759,601	7/26/88	Knutsen et al.			
	P9	4,792,689	12/20/88	Peterson			
	P10	4,992,092	5/1/90	Rushbrooke et al.			
	P11	5,026,139	6/25/91	Klainer et al.			
	P12	5,034,189	7/23/91	Cox et al.			
	P13	5,037,199	8/6/91	Hlousek			
	P14	5,096,671	3/17/92	Kane et al.			
	P15	5,138,153	8/11/92	Gergely et al.			
	P16	5,244,636	9/14/93	Walt et al.			
	P17	5,250,264	10/5/93	Walt et al.			
	P18	5,252,494	10/12/93	Walt			
	P19	5,280,389	1/18/94	Kunikane et al.			
	P20	5,298,741	3/29/94	Wakt et al.			
	P21	5,311,611	5/10/94	Migliaccio			
	P22	5,320,814	6/14/94	Walt et al.			
	P23	5,347,122	9/13/94	Ansorge et al.			
	P24	5,371,600	12/6/94	Hsia et al.			
	P25	5,399,866	3/21/95	Feldman et al.			
	P26	5,498,549	3/12/96	Nagel et al.			
	P27	5,557,398	9/17/96	Wechsler et al.			
	P28	5,569,911	10/29/96	Tomlinson, Jr. et al.			
	P29	5,589,351	12/31/96	Harootunian			
	P30	5,636,017	6/3/97	Bruno et al.			

EXAMINER

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DATE CONSIDERED

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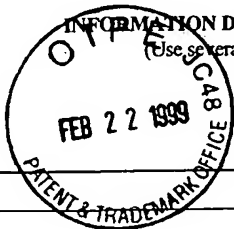
\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformation and not considered. Include a copy of this form with the next communication to applicant.

PTO-1449  
(8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
08366/006001  
(Auro-015.00us)

SERIAL NO.  
09/118,728



INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

APPLICANT:  
Tsien et al.

FILING DATE:  
7/17/98

GROUP:  
2877

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
3/1	P31	5,638,475	6/10/97	Gaebe			
	P32	5,670,113	9/23/97	Akong et al.			
	P33	5,672,515	9/30/97	Furlong			
	P34	5,678,751	10/21/97	Buchanan et al.			
	P35	5,684,711	11/4/97	Agrafiotis et al.			
	P36	5,694,215	12/2/97	Carver			
	P37	5,714,388	2/3/98	Kusnetz			
	P38	5,763,277	6/9/98	Zhu et al.			
	P39	5,769,791	6/23/98	Benaron et al.			
	P40	5,774,610	6/30/98	O'Rourke et al.			
26	P41	5,837,196	11/17/98	Pinkel et al.			

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							YES	NO
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	F2	WO 96/02824 A1	2/1/96	PCT				
	F3	WO 97/10494	3/20/97	PCT				
	F4	WO 97/26539	7/24/97	PCT				
	F5	WO 98/09154	3/5/98	PCT				
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	F7	0 590 145 B1	4/6/94	EPO				
	F8	0 590 230 852	3/25/98	EPO				
	F9	0 590 230 A2	7/1/98	EPO				

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OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformation and considered. Include a copy of this form with the next communication to applicant.

<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.</b> AURO1140 (08366/006001)	<b>Serial No.:</b> 09/118,728
	<b>Applicant(s):</b> Roger Tsien, et al.	
<b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>	<b>Filing Date:</b> July 17, 1998	<b>Group Art Unit:</b> 2877

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
3D	4,800,164	01/24/89	Bisconte			
3D	5,436,718	07/25/95	Fernandes et al.			
3D	5,283,178	02/01/94	Kessler et al.			
3D	5,217,285	06/08/93	Sopori			

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EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N (YES/NO)

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)


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<b>EXAMINER</b> Zander. S.H.	<b>DATE CONSIDERED</b> 3/25/00
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Notice of References Cited</b>		Application No. <b>09/188,728</b>		Applicant(s) <b>Tsien et al.</b>	
		Examiner <b>Zandra V. Smith</b>		Group Art Unit <b>2877</b>	
Page 1 of 1					

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	DOCUMENT NO.	DATE	NAME		CLASS	SUBCLASS
A	4,225,230	9/1980	Doostoomian et al.		356	407
B	5,168,156	12/1992	Fischer et al.		356	436
C	5,216,488	1/1993	Tuunanen et al.		356	440
D	5,307,144	9/1980	Hiroshi et al.		356	440
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<b>Notice of References Cited</b>		Application No. <b>09/118,728</b>		Applicant(s) <b>Tsien et al.</b>	
		Examiner <b>Zandra V. Smith</b>		Group Art Unit <b>2877</b>	
Page 1 of 1					

U.S. PATENT DOCUMENTS					
DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	
A 5,985,214	11-1999	Stylli et al.	422	65	
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<b>Notice of References Cited</b>	Application/Control No. 09/118,728	Applicant(s)/Patent Under Reexamination TSIEN ET AL.	
	Examiner Zandra V. Smith	Art Unit 2877	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,926,592	07-1999	Harris et al.	385/127
	B	US-5,670,113	09-1997	Akong et al.	356/414
	C	US-			
	D	US-			
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

09/118,728

Applicant(s)/Patent Under  
Reexamination  
TSIEN ET AL.

Examiner

Zandra V. Smith

Art Unit

2877

Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number	Date	Name	Classification	
		Country Code-Number-Kind Code	MM-YYYY			
	A	US-5670113	09-1997	Akong et al.	422	63
	B	US-				
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